



Oxygen and life support

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898 Series Cylinder and Regulator Assembly



The AVOX Systems 898 Series Cylinder and Regulator Assembly is a self-contained, high-pressure, fixed oxygen source that supplies reduced-pressure, aviation-grade oxygen to crew members and passengers.

The 898 Series consists of two components: a high-pressure cylinder and a regulator assembly. The cylinder, which stores the high-pressure oxygen supplied to the regulator, can be either a composite type (Kevlar® fiber-wrapped aluminum) or a steel type.

The regulator assembly reduces high-pressure oxygen stored in the cylinder to a lower pressure suitable for use with continuous flow type or demand type masks. It is manually operated with either a toggle type or lever type turn-on.

The number of cylinder and regulator assemblies and the correct cylinder size required are determined by applicable FARs, number of passengers, and the general flight profile of the aircraft.

WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THESE ASSEMBLIES ARE INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AS COMPONENTS OF A COMPLETE AVIATION OXYGEN SYSTEM USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THIS EQUIPMENT IS TO BE SERVICED ONLY IN ACCORDANCE WITH THE APPLICABLE COMPONENT MAINTENANCE MANUAL

AVAILABLE FROM AVOX SYSTEMS AND APPLICABLE DEPARTMENT OF TRANSPORTATION (DOT) REGULATIONS AND ONLY BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF HIGH-PRESSURE AVIATION OXYGEN AND KNOWLEDGEABLE IN THIS EQUIPMENT. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR. THIS EQUIPMENT SHALL BE USED ONLY WITH AVIATION BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-PRF-27210.



AVOX Systems

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	Cylinder Assembly Callout	Oxygen Volume Cu. Ft. (Liters)	Cylinder P/N	Thread Size	Dimensions Inches (cm) (Note 1)				Cylinder Weight Lbs. (kg) (Note 2)		Elastic Protective Band	
					A	B	C	D	Empty	Charged	P/N	Wt. (lbs.)
Composite	C22	22.8 (646)	804047-01	0.750-16 UNF-2A	5.2 (13.2)	19.6 (49.8)	24.4 (62.0)	24.6 (62.5)	4.0 (1.81)	5.9 (2.68)	31062-022	.17
	C40	40.0 (1130)	804047-05		6.8 (17.3)	20.2 (51.3)	25.0 (63.5)	25.2 (64.0)	6.7 (3.04)	10.0 (4.54)	31062-050	.19
	C50	50.1 (1419)	804047-02		6.8 (17.3)	24.7 (62.7)	29.5 (74.9)	29.7 (75.4)	7.9 (3.58)	12.1 (5.49)	31062-050	.19
	C77	77.1 (2183)	804047-03		7.6 (19.3)	29.3 (74.4)	34.1 (86.6)	34.3 (87.1)	12.9 (5.85)	19.3 (8.75)	31062-077	.22
	C15	115.7 (3277)	804047-04		9.1 (23.1)	31.3 (79.5)	36.1 (91.7)	36.3 (92.2)	18.1 (8.20)	27.7 (12.6)	31062-115	.24
Steel	S22	22.0 (623)	804048-01	1.00-11.5 ANPT	5.3 (13.5)	18.5 (47.0)	23.1 (58.7)	23.3 (59.2)	10.9 (4.94)	12.8 (5.81)	Elastic Protective Band Not Required on Steel Cylinder	
	S39	39.4 (1116)	804048-02		6.9 (17.5)	19.4 (49.3)	23.9 (60.7)	24.2 (61.5)	13.0 (5.90)	16.3 (7.39)		
	S49	49.8 (1410)	804048-03		6.9 (17.5)	23.5 (59.7)	28.1 (71.4)	28.3 (71.9)	15.2 (6.89)	19.4 (8.80)		
	S66	66.0 (1869)	804048-04		7.4 (18.8)	26.7 (67.8)	31.3 (79.5)	31.5 (80.0)	20.3 (9.21)	26.3 (11.9)		
	S76	76.5 (2166)	804048-05		7.4 (18.8)	30.0 (76.2)	34.6 (87.9)	34.8 (88.4)	22.5 (10.2)	28.8 (13.1)		
	S15	115.0 (3257)	804048-06		9.1 (23.1)	29.8 (75.7)	34.4 (87.4)	34.6 (87.9)	34.0 (15.4)	43.5 (19.7)		

Note 1: Refer to Figure 1 for description of dimensions. A composite cylinder is shown as a reference.

Note 2: Weights DO NOT include weight of regulator assembly (refer to Table 2).